SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier
ROTAFIX TG6 TIMBER GROUT (BASE) PART A

Product Name
ROTAFIX TG6 TIMBER GROUT (BASE) PART A

Relevant identified uses of the substance or mixture and uses advised against

- Identified uses
Refer to technical data sheet

- Uses advised against
Specific uses are identified above and in the technical data sheet. No other uses have been identified and are advised against.

Details of the supplier of the safety data sheet

Manufacturer / Supplier
Rotafix (Northern) Ltd
Rotafix House
Hennoyadd Road
Abercraf, Swansea
SA9 1UR

EMAIL
sales@rotafix.co.uk

EMERGENCY TELEPHONE
OFFICE HOURS - +44(0)1639 730481

2. HAZARDS IDENTIFICATION

CLASSIFICATION of the substance or mixture

CLASSIFICATION according to regulation (EC 1272/2008)

GHS09 environment
GHS08
GHS07

Aquatic Chronic 2  H411 Toxic to aquatic life with long lasting effects

Skin Irrit. 2  H315 Causes skin irritation
Eye Irrit. 2  H319 Causes serious eye irritation
Skin Sens.1  H317 May cause an allergic skin reaction

Label In Accordance With (EC) No 1272/2008

SIGNAL WORD
Warning

CONTAINS
Epoxy resin Epoxy resin (average molecular weight <700)
REACTION PRODUCT BISPHENOL - A
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

HAZARD STATEMENTS
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention
P501a Dispose of contents/container in accordance with local/regional/national/international regulations

SUPPLEMENTARY PRECAUTIONARY STATEMENTS
P272 Contaminated work clothing should not be allowed out of the workplace
P281 Avoid breathing vapour/spray
P264 Wash contaminated skin thoroughly after handling
P321 Specific treatment (see medical advice on this label)
P302+352 IF ON SKIN: Wash with plenty of soap and water
P332+313 If skin irritation occurs: Get medical advice/attention
P333+313 If skin irritation or rash occurs: Get medical advice/attention
P337 If eye irritation persists: Get medical advice/attention
P362 Take off contaminated clothing and wash before reuse
P363 Wash contaminated clothing before reuse
P391 Collect spillage.

OTHER HAZARDS
This product does not contain any PBT or vPvB

3 COMPOSITION/INFORMATION ON INGREDIENTS

BISPENAL F EPOXY RESIN 10 – 30%
CAS-No.: 9003-36-5

LOW BOILING POINT NAPHTHA – UNSPECIFIED – STODDARD SOLVENT 1 – 10%
CAS-No.: 8052-41-3

OXIRANE, MONO (C12-14 ALKYOXY)METHYL]DERIVATIVES 10 – 30%
CAS-No.: 68609-97-2

BISPENAL A EPOXY RESIN NUMBER AVERAGE MW <700 50 – 70%
CAS-No.: 25068-38-6

Classification (EC 1272/2008)
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 H317
Aquatic Chronic 2 - H411

Classification (67/548/EEC)
R43
Xi;R36/38
N;R51/53
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

4 FIRST AID MEASURES

GENERAL INFORMATION
Get medical attention immediately. If in doubt, get medical attention promptly. Keep affected person under observation. Never
Give anything by mouth to an unconscious person. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen
Move affected person to fresh air at once. Remove affected person from source of contamination. Show this Safety Data Sheet to the medical personnel.

INHALATION
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT:
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT
Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED
Seek medical attention in case of contact with Skin, Eyes or IF Inhaled. If adverse develop seek medical attention. Treat symptomatically. The severity of the symptoms described will vary dependant on the concentration and the length of exposure. The product contains a sensitising substance.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
No specific antidote is known. No specific treatment is known. Treat symptomatically

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA
Do not use water jet as an extinguisher, as this may spread the fire.
HAZARDS COMBUSTION PRODUCTS
None under normal conditions. In case of fire, toxic gases (CO, CO2, NOx) may be formed
UNUSUAL FIRE & EXPLOSION HAZARDS
No unusual fire or explosion hazards noted.
SPECIFIC HAZARDS
In case of fire, toxic gases may be formed (COx, NOx). Not known
PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS
Wear SCBA breathing apparatus and chemical resistant suites to EN 469 standard
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Do not handle broken packages without protective equipment. Avoid contact with contaminated tools and objects. Avoid contact with eyes and prolonged skin contact. Avoid inhalation of vapours and contact with skin and eyes. Wash thoroughly after dealing with a spillage. Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS
Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS
Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS
Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS
WEL = Workplace Exposure Limit

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS
Provide eyewash station.

ENGINEERING MEASURES
Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. HAND

PROTECTION
Use protective gloves made of: Nitrile. Viton rubber (fluor rubber). Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION
Wear tight-fitting goggles or face shield.

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Liquid</td>
</tr>
<tr>
<td>COLOUR</td>
<td>Amber</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Characteristic</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Immiscible with water</td>
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</table>

10 STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
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<tbody>
<tr>
<td>STABILITY</td>
<td>Stable under normal temperature conditions.</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID</td>
<td>Avoid excessive heat for prolonged periods of time.</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERISATION</td>
<td>Will not polymerise.</td>
</tr>
<tr>
<td>MATERIALS TO AVOID</td>
<td>Strong oxidising substances.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION PRODUCTS</td>
<td>Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).</td>
</tr>
</tbody>
</table>

11 TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INHALATION</td>
<td>Irritating to respiratory system.</td>
</tr>
<tr>
<td>INGESTION</td>
<td>May cause stomach pain or vomiting.</td>
</tr>
<tr>
<td>SKIN CONTACT</td>
<td>May cause sensitisation by skin contact. Irritating to skin.</td>
</tr>
<tr>
<td>EYE CONTACT</td>
<td>Irritating to eyes.</td>
</tr>
</tbody>
</table>

12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOTOXICITY</td>
<td>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
</tbody>
</table>

13 DISPOSAL CONSIDERATIONS

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>APPEARANCE</td>
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</tr>
<tr>
<td>COLOUR</td>
<td>Amber</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Characteristic</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Immiscible with water</td>
</tr>
</tbody>
</table>

Dispose of waste and residues in accordance with local authority requirements.
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 BASE PART A

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (EPOXY RESIN (Number average MW <=700), epoxy resin)
ENVIROMETNALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT  No
UN NO. ROAD  3082
ADR CLASS NO.  9
ADR CLASS  Class 9: Miscellaneous dangerous substances and articles
ADR PACK GROUP  III
HAZARD No. (ADR)  90
ADR LABEL NO.  9
HAZCHEM CODE  3Z
UN NO. SEA  3082
IMDG CLASS  9
IMDG PACK GR.  III
EMS  F-A, S-F
UN NO. AIR  3082
AIR CLASS  9
AIR PACK GR.  III
TUNNEL RESTRICTION CODE  (E)

15 REGULATORY INFORMATION

STATUTORY INSTRUMENTS

APPROVED CODE OF PRACTICE
Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40.

16 OTHER INFORMATION

HAZARD STATEMENTS IN FULL

H319  Causes serious eye irritation
H315  Causes skin irritation
H226  Flammable liquid and vapour
H304  May be fatal if swallowed and enters airways
H317  May cause an allergic skin reaction
H336  May cause drowsiness or dizziness
H335  May cause respiratory irritation
EUH066  Repeated exposure may cause skin dryness or cracking
H411  Toxic to aquatic life with long lasting effects
RISK PHRASES IN FULL

R10  Flammable.
R65  Harmful: may cause lung damage if swallowed.
R36/38 Irritating to eyes and skin.
R37  Irritating to respiratory system.
R38  Irritating to skin.
R43  May cause sensitisation by skin contact.
R66  Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67  Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warrant) guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

MSDSJUNE2015/3480/3482/A
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 HARDENER PART B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ROTAFIX TG6 TIMBER GROUT PART B
SUPPLIER Rotafix (Northern) Ltd
Rotafix House
Hennoyadd Road
Abercrayf, Swansea
SA9 1UR
EMAIL sales@rotafix.co.uk
EMERGENCY TELEPHONE OFFICE HOURS - +44(0)1639 730481

2. HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xn;R21/22.C. R34. R43. R52/53
CLASSIFICATION (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health Acute Tox. 4 -H302;Acute Tox. 4 -H332;Skin Corr. 1 B -H314;Skin Sens. 1 - H 317
Environment Aquatic Chronic 3 – H412

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008
GHS05 GHS07 GHS08

SIGNAL WORD Danger
CONTAINS Blend : Aliphatic Amine, Isophorondiamine

HAZARD STATEMENTS
H302 Harmful if swallowed
H302 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H317 May cause an allergic reaction
H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 Get medical advice/attention
P310 Immediately call a POISON CENTER or doctor/physician
P501 Dispose of contents/container to....
SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the understood
P260 Do not breathe vapour/spray
P261 Avoid breathing vapour/spray
P264 Wash contaminated skin thoroughly after handling
P321 Specific treatment (see medical advice on this label
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+352 IF ON SKIN: Wash with plenty of soup and water
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell
P330 Rinse mouth
P333+313 If skin irritation or rash occurs: Get medical advice/attention
P363 wash contaminated clothing before reuse
P405 Store locked up

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>PERCENTAGE</th>
<th>CAS-No:</th>
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<tbody>
<tr>
<td>BENZYL ALCOHOL</td>
<td>30-50%</td>
<td>100-51-6</td>
</tr>
<tr>
<td>M-PHENYLENEBIS(METHYLAMINE)</td>
<td>10-30%</td>
<td>1477-55-0</td>
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<tr>
<td>3-AMINOMETHYL-3,5,5-TRIMETHYLCYLOHEXYLAMINE</td>
<td>30-50%</td>
<td>2855-13-2</td>
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<tr>
<td>SALICYLIC ACID</td>
<td>1-10%</td>
<td>69-72-7</td>
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</tbody>
</table>

Classification (EC 1272/2008)       Classification (67/548/EEC)
Skin Irrit. 2 – H315                         Xi:r36/37/38.
Eye Irrit. 2 – H319                         N:R51/53.
STOT SE 3 – H335 Aquatic Chronic 2 – H411

The Full Text for all R-Phrases and Hazard Statements is Displayed in section 16
# SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 HARDENER PART B

## 4 FIRST-AID MEASURES

**DESCRIPTION OF FIRST AID MEASURES**

### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Keep the affected person warm and at rest. Get prompt medical attention.

### INGESTION

DO NOT INDUCE VOMITING. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Rinse mouth thoroughly.

**SKIN CONTACT**

Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.

**EYE CONTACT**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

General information

Seek medical attention in cause of contact with skin and eyes or inhalation or ingestion. If adverse symptoms develop seek medical attention

Irritating effects on eyes, seek medical attention on contact with eyes

## 5 FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

No unusual fire or explosion hazards noted.

**SPECIFIC HAZARDS**

In case of fire, toxic gases may be formed (COx, NOx).

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact MUST be prevented by means of suitable personal protection equipment. Use protective gloves, goggles and suitable protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Do not allow to enter drains, sewers or watercourses.

**METHODS AND MATERIAL FOR CONTAINMENT AND SPILL/CLEAN UP METHODS**

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material. Absorb in vermiculite, dry sand or earth and place into containers.

Do not let washing down water contaminate ponds or waterways.

## 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING**

Store in tightly closed original container in a dry, cool and well ventilated place. Keep in original container.

**CONDITIONS FOR SAFE STORAGE**

Store in tightly closed original container in a dry cool and well ventilated place – keep in original container /pack

**SPECIFIC END USE(S)**

Refer to product data sheet
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 HARDENER PART B

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS Provide eyewash station.
ENGINEERING MEASURES
Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT
If ventilation is insufficient, suitable respiratory protection must be provided. Use chemical cartridge protection with appropriate cartridge.
HAND PROTECTION Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.
EYE PROTECTION
Wear tight-fitting goggles or face shield.
OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENE MEASURES
Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Clear, yellowish liquid.
COLOUR Yellowish
ODOUR Amine.
SOLUBILITY Immiscible with water
BOILING POINT (°C) 100
MELTING POINT (°C) Not determined
RELATIVE DENSITY 1.08
VAPOUR PRESSURE 23,392 hPa
VISCOITY n/a
FLASH POINT (°C) n/a
AUTO IGNITION Not detected

10 STABILITY AND REACTIVITY

REACTIVITY
No specific reactivity hazards associated with this product
CHEMICAL STABILITY
Stable under normal temperature conditions.
CONDITIONS TO AVOID Reacts violently with strong oxidising substances. HAZARDOUS POLYMERISATION
Will not polymerise.
MATERIALS TO AVOID
Strong oxidising substances. Strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS
In case of fire, toxic gases (CO, CO2, NOx) may be formed.

11 TOXICOLOGICAL INFORMATION

INHALATION
May cause sensitisation by inhalation. May cause respiratory allergy.
INGESTION
Harmful if swallowed. May cause chemical burns in mouth and throat.
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 HARDENER PART B

SKIN CONTACT
Causes burns. May cause allergic contact eczema. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact.

EYE CONTACT
Causes burns. Extreme irritation of eyes and mucous membranes, including burning and tearing.

ROUTE OF ENTRY
Inhalation. Ingestion. Skin and or Eye contact

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH m9/1 10
EC 50, 48 Hrs, DAPHNIA, mg/l 100
IC 50, 72 Hrs, ALGAE, mg/l 79

WATER HAZARD CLASSIFICATION
WGK 2

13 DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME AMINES, LIQUID, CORROSIVE, N.O.S. (m-PHENYLENEBIS(METHYLAMINE), ISOPHORONEDIAMINE)

ENVIRONMENTALLY No
HAZARDOUS SUBSTANCE/MARINE POLLUTANT
UN NO. ROAD 2735
ADR CLASS NO. 8
ADR CLASS Class 8: Corrosive substances
ADR PACK GROUP III
TUNNEL RESTRICTION CODE (E)
HAZARD No. (ADR) 80
ADR LABEL NO. 8
HAZCHEM CODE 2X
UN NO. SEA 2735
IMDG CLASS 8
IMDG PACK GR III
EMS F-A, S-B
UN NO. AIR 2735
AIR CLASS 8
AIR PACKGR III

15 REGULATORY INFORMATION

SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 HARDENER PART B

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES
Workplace Exposure Limits EH40.

16 OTHER INFORMATION

RISK PHRASES IN FULL
R34    Causes burns.
R10    Flammable.
R20/22  Harmful by inhalation and if swallowed.
R22    Harmful if swallowed.
R21/22  Harmful in contact with skin and if swallowed.
R52/53  Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/38  Irritating to eyes and skin.
R37    Irritating to respiratory system.
R43    May cause sensitisation by skin contact.
R62    Possible risk of impaired fertility.
R41    Risk of serious damage to eyes.

HAZARD STATEMENTS IN FULL
H318    Causes serious eye damage.
H319    Causes serious eye irritation.
H314    Causes severe skin burns and eye damage.
H315    Causes skin irritation.
H226    Flammable liquid and vapour.
H332    Harmful if inhaled.
H302    Harmful if swallowed.
H312    Harmful in contact with skin.
H412    Harmful to aquatic life with long lasting effects.
H317    May cause an allergic skin reaction.
H335    May cause respiratory irritation.
H361f  Suspected of damaging fertility.

DISCLAIMER
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT 3480/3482 FILLER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier: ROTAFIX TG6 TIMBER GROUT FILLER PART C
Product Name: ROTAFIX TG6 TIMBER GROUT FILLER PART C

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Refer to technical data sheet
Uses advised against: Specific uses are identified above and in the technical data sheet. No other uses have been identified and are advised against.

Details of the supplier of the safety data sheet:
Manufacturer / Supplier:
Rotafix (Northern) Ltd
Rotafix House
Hennoyadd Road
Abercraf, Swansea
SA9 1UR

EMAIL: sales@rotafix.co.uk

EMERGENCY TELEPHONE: OFFICE HOURS - +44(0)1639 730481

2. HAZARDS IDENTIFICATION

Irritating to eyes and skin. Risk of serious damage to eyes. May cause burns in the presence of moisture due to generation of strong alkaline solution of calcium hydroxide.

May cause allergic dermatitis due to the sensitivity of an individual’s skin to soluble chromium (VI) in the presence of moisture.
Dust may cause irritation of the respiratory tract.

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) 1272/2008:

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritation</td>
<td>2</td>
<td>On the basis of test data</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>1</td>
<td>On the basis of test data</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>1</td>
<td>On the basis of literature survey</td>
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<tr>
<td>Specific target organ toxicity single exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>respiratory tract irritation</td>
<td>3</td>
<td>On the basis of literature survey</td>
</tr>
</tbody>
</table>

2.1.2 Classification according to Directive 1999/45/EEC:

Xi Irritant

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) 1272/2008:

Signal word: Danger
Hazard pictogram:
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT FILLER

Hazard statements:
H318: Causes serious eye damage
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation

Precautionary statements:
P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISEN CENTRE or doctor/physician.
P302+P352+P333+P313: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312: Avoid breathing dust/fumes/gas,mist,vapours,spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician.
P501: Dispose of contents/container according to local regulations.

Supplemental information:
Skin contact with wet mortar may cause irritation, dermatitis or burns.
May cause damage to products made of aluminium or other non-noble metals.

2.2.2 Labelling according to Directive 1999/45/EEC:
Signal word: Xi - Irritant

Hazard pictogram:

R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

Safety phrases:
S2 Keep out of reach of children
S22 Do not breathe dust
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S46 If swallowed, seek medical advice immediately and show this container or label

2.3 Other hazards
Long term exposure to dust can lead to the development of lung disease during mechanical cutting, grinding or sanding of the set product.

Uncontrolled when printed

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:
TG6 & EP3 FILLER is a blend of Portland cement, silica sand, filler and additives.

Hazardous Ingredient - calcium hydroxide Ca(OH)2 generated on contact with water. Hexavalent chromium salts dissolve in water.
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT FILLER

Under CLP EC 1272/2008

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%</th>
<th>Reach Reg No</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>CLP Hazard Catagory</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordinary Portland Cement (OPC)</td>
<td>5-30</td>
<td>N/a</td>
<td>65997-15-1</td>
<td>266-043-4</td>
<td>(1)STOT SE 3 (2)Skin irritation 2 (3) Serious eye damage/eye irritation 1 (4) Skin sensitization 1</td>
<td>(1) H335 – May cause respiratory irritation. (2) H315 – Causes skin irritation (3) H318 – Causes serious eye damage (4) H317 – May cause an allergic skin reaction</td>
</tr>
</tbody>
</table>

Under DPD EC1999/45

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%</th>
<th>Reach Reg No</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Symbol</th>
<th>Risk Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordinary Portland Cement (OPC)</td>
<td>5-30</td>
<td>N/a</td>
<td>65997-15-1</td>
<td>266-043-4</td>
<td>Xi - Irritant</td>
<td>R37/38 – Irritating to respiratory system and skin R41 – Risk of serious damage to eyes R43 – May cause sensitization by skin contact</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

4.1 Description of first aid measures:
4.1.1 Routes of exposure;

| Inhalation (Dust) | Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention if irritation persists or later develops or if discomfort, coughing or other symptoms persist |
| Eye contact | Speed is essential. Immediately wash eyes with plenty of eyewash solution or running water, holding eyelids apart for 15 minutes. Do not rub eyes in order to avoid possible cornea damage as a result of mechanical stress. Always seek further specialist medical/eye specialist attention to check that all particles have been removed. |
| Skin contact | Remove affected clothing, footwear, watches, jewellery etc. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs. |
| Ingestion | Immediately rinse mouth and drink plenty of water. Do not induce vomiting. Seek immediate medical advice if person becomes uncomfortable. Show the container or label used. |

4.2 Most important symptoms and effects, both acute and delayed;

Eyes: Eye contact with mortar (dry or wet) may cause serious and potentially irreversible injuries. Skin: Product may have an irritating effect on moist skin (due to sweat or humidity) after prolonged contact or may cause contact dermatitis after repeated contact. Prolonged skin contact with wet mortar or concrete may cause serious burns because they develop without pain being felt (for example when kneeling in wet product even when wearing trousers).
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT FILLER

Inhalation: Irritating to the respiratory tract in high concentration.
Environment: Under normal use, this product is not hazardous to the environment.

4.3 Indication of any immediate medical attention and special treatment needed;
When contacting further medical advise. Show container, label or this SDS sheet.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media:
5.1.2 Suitable extinguishing media;
The product is not combustible. Use a dry powder, foam or CO2 fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
5.1.3 Unsuitable extinguishing media;
None identified.
5.2 Special hazards arising from the substance or mixture:
None identified.
5.3 Advice for fire fighters:
None identified

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
6.1.1. For Non-emergency personnel;
Wear suitable protective equipment (see section 8).
6.1.2 For emergency responders; N/a
6.2 Environmental precautions:
Do not wash product down sewage and drainage systems or into bodies of water (e.g. streams).
6.3 Methods and material for containment and cleaning up:
Dry product;
Use cleanup methods such as vacuum cleaning-up or vacuum extraction fitted with EPA/HEPA air filters which do not cause airborne dispersion. Never use compressed air.
Alternatively, wipe-up the dust by mopping, wet brushing or by using water spray or hoses (fine mist to avoid duct becoming airborne) and remove slurry. If not possible, remove by slurring with water (see wet product).
If only dry cleaning by brushing can be done, ensure all appropriate personal wear correct PPE including dust mask and eye protection at all times (see section 8). Avoid inhalation of dust and place in a container and dispose of as detailed in section 13.
Wet product:
Clean up wet material and place in container or controlled location. Allow material to dry and solidify before disposal as detailed in section 13.
6.4 Reference to other sections:
For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the Appendix of this safety data sheet.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:
7.1.1 Protective Measures;
Do not ingest. Avoid contact with skin. Avoid contact with eyes
Wear protective equipment (refer to section 8 of this safety data sheet). Avoid generating dust.
7.1.2 Advice on general occupational hygiene;
General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and housekeeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. Do not handle or store near food and beverages or smoking material. In dusty environment, wear dust mask, protective goggles and gloves.
7.2 Conditions for safe storage, including any incompatibilities:
Bulk materials should be stored in silos that are waterproof. Packed products should be stored in unopened bags clear of the ground in cool, dry conditions and protected from excessive draught, excesses in temperatures in order to avoid degradation of quality. Bags should be stacked in a stable manner. Do not use aluminium containers due to incompatibility of the materials.
7.3 Specific end use(s):
No additional information for the specific end users.
8.1 Control parameters:
Workplace exposure limits:
The following Workplace Exposure Limits (WEL’s) for airborne dust are given in HSE Guidance Note EH40:

<table>
<thead>
<tr>
<th></th>
<th>W.E.L.</th>
<th>T.W.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total dust</td>
<td>10mg/m³</td>
<td>8 Hrs</td>
</tr>
<tr>
<td>Respirable dust</td>
<td>4mg/m³</td>
<td>8 Hrs</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>0.1mg/m³</td>
<td>8 Hrs</td>
</tr>
</tbody>
</table>

W.E.L. = Workplace Exposure Limit
T.W.A. = Time Weighted Average

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:
Measures to reduce generation of dust and to avoid dust propagating in the environment such as regular housekeeping, exhaust ventilation and dry clean-up methods which do not cause airborne dispersion.

8.2.2 Individual protection measures, such as personal protective equipment:

<table>
<thead>
<tr>
<th>Protection Type</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.2.2.1 Eye/face protection</td>
<td>Wear approved glasses or goggles according to EN 166 with anti-mist for eye protection when handling wet or dry material</td>
</tr>
<tr>
<td>8.2.2.2 Skin protection</td>
<td>Contact with wet products. Outer clothing should be waterproof if contact with wet product is likely. Wear impermeable boots to protect feet. Safety wellington boots should be worn if working with wet product, with waterproof trousers pulled over them to help prevent product entering the boots. If the product saturates clothing, or enters gloves or boots, remove the articles immediately and wash before wearing again.</td>
</tr>
<tr>
<td>8.2.3.3 Respiratory protection</td>
<td>When a person is potentially exposed to dust levels above exposure limits, an appropriate respirator must be used dependant on expected dust levels</td>
</tr>
<tr>
<td>8.2.2.4 Thermal Hazards</td>
<td>The substance does not represent a thermal hazard, thus special consideration is not required.</td>
</tr>
<tr>
<td>8.2.3. Environmental Exposure Control</td>
<td>Not relevant unless large volume of product enter the watercourse.</td>
</tr>
</tbody>
</table>

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Wet Product – semi solid state</td>
</tr>
<tr>
<td></td>
<td>Dry Product – dry powder</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight, earthy odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>N/a</td>
</tr>
<tr>
<td>pH</td>
<td>11-13.5, (20°C in water, water solid ratio 1:2)</td>
</tr>
<tr>
<td>Melting point</td>
<td>1250 (typical)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>N/a</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>N/a</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Non explosive</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>N/a</td>
</tr>
<tr>
<td>Vapour density</td>
<td>0 at 20°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>3.0 (typical)</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Some components sparingly soluble</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>N/a</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET ROTAFIX TG6 TIMBER GROUT FILLER

Auto ignition temperature: N/a
Decomposition temperature: N/a
Viscosity: N/a
Oxidising properties: No oxidising properties

10 STABILITY AND REACTIVITY

10.1 Reactivity:
When mixed with water, will harden into a stable mass that is not reactive in normal environments.

10.2 Chemical Stability:
Stable product under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions:
This product does not cause hazardous reactions.

10.4 Conditions to avoid:
Dry Products – avoid humid conditions which may cause lump formation and loss of product quality.

10.5 Incompatible Materials:
Acids, ammonium salts, aluminium or other non-noble metals. Uncontrolled use of aluminium powder in wet product should be avoided as hydrogen is produced.

10.6 Hazardous Decomposition Products:
This product does not decompose into any hazardous products.

11 TOXICOLOGICAL INFORMATION

11.1.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicity endpoints</th>
<th>Outcome of the effects assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2 When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Category 1 Direct contact may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation. Direct contact by large amounts may cause effects ranging from moderate irritation to chemical burns and blindness</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Category 1 Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis. The response may appear in a variety of forms ranging from a mild rash to severe dermatitis. If the product contains a soluble Cr (VI) reducing agent and as long as the period of effectiveness of the agent is not exceeded, a sensitising effect is not expected. There is no indication of sensitisation of the respiratory system</td>
</tr>
<tr>
<td>Repeated dose toxicity</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Toxicity for reproduction</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>STOT – single exposure</td>
<td>Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits</td>
</tr>
<tr>
<td>STOT – repeated exposure</td>
<td>There is an indication of Chronic Obstructive Pulmonary Disease. The effects are acute and due to high exposures. No chronic effects or effects at low concentrations have been observed</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not applicable as this products are not used as an aerosol</td>
</tr>
</tbody>
</table>

Information on likely routes of exposure:
Contact with skin, eyes, ingestion and dust inhalation.

Symptoms relating to the physical, chemical and toxicological characteristics:
Dust exposure may irritate the throat and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposures in excess of occupational exposure limits.

When in contact with wet skin may cause thickening, cracking or fissuring on the skin. Prolonged contact in combination with abrasion may cause severe burns.

Some individuals may develop eczema upon exposure by either the high pH which induces irritant contact dermatitis after prolonged contact, or by an immunological reaction to soluble Cr(VI) which elicits allergic contact dermatitis

Delayed and immediate effects as well as chronic effects from short and long-term exposure:
Delay in treating eye contact can lead to serious and permanent eye damage.
Long term exposure to dust above the exposure limits can lead to lung disease.
12 ECOLOGICAL INFORMATION

12.1 Toxicity:
The product is not hazardous to the environment. The addition of large amounts of the product to water may however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.

12.2 Persistence and Degradability:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.3 Bioaccumulative potential:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.4 Mobility in Soils:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.5 Results of PBT and vPvB assessment:
Not relevant as this product is an inorganic material. After hardening, it presents no toxicity risks.

12.6 Other adverse effects:
No other adverse effects are identified.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Product – has exceeded its shelf life (indicated on packaging);
(and when demonstrated that it contains more than 0.002% Cr (VI): shall not be used/sold other than for use other than for use in controlled closed and totally automated processes or should be recycled or disposed of according to local legislation or treated again with reducing agent. 

Product – unused residue or dry spillage;
Pick up dry unused residue or dry spillage as is (refer to Section 6). Mark up containers. Possibly reuse depending upon shelf life considerations and the requirements to avoid dust exposure. In case of disposal, harden with water and dispose according to section 6.3 above.

Product – slurries;
Allow to harden, avoid entry in sewerage and drainage systems or into bodies of water. Dispose of as hardened product as concrete waste. This is not classed as a dangerous waste.

LoW/EWC entries; 16 03 04 - inorganic wastes containing no dangerous substances.
17 01 01 - construction and demolition wastes – concrete.

Packaging:
Completely empty and clean packaging and process in accordance with local legislation.
LoW/EWC entry:
15 01 01 - waste paper and cardboard packaging
15 01 02 - plastic packaging

If packaging is contaminated; 20 03 01 – mixed municipal waste

14 TRANSPORT INFORMATION

These products are not classified as hazardous for transport. No special precautions are needed apart from those mentioned under Section 8.

14.1 UN number – not relevant
14.2 UN proper shipping name – not relevant
14.3 Transport hazard class(es) – not relevant
14.4 Packing group – not relevant
14.5 Environmental hazards - not relevant
14.6 Special precautions for user - not relevant
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code - not relevant

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance:
The product contains Ordinary Portland Cement which is a mixture that is not subject to registration according to REACH. Cement clinker is exempt form registration (Art2.7(b) and Annex V.10 of REACH).
Workplace Exposure Limits – HSE Guidance note EH40.
Control of Substances Hazardous to Health latest Regulations.
The marketing and use of these products is subject to a restriction on the content of soluble Cr(VI) (REACH Annex XVII point 47 Chromium VI compounds).

15.2 Chemical Safety Assessment:
A chemical safety assessment has not been carried out for this substance.

16 OTHER INFORMATION

16.1 Hazard Statements:
H318: Causes serious eye damage
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation
16.2 Precautionary Statements:
P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.
P302+P352+P333+P313: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261+P304+P340+P312: Avoid breathing dust/fumes/gas/mist/vapours/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician.
P501: Dispose of contents/container according to local regulations.

16.3 Risk Phrases:
R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

16.4 Safety Phrases:
S2 Keep out of reach of children
S22 Do not breathe dust
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S46 If swallowed, seek medical advice immediately and show this container or label

16.5 Abbreviations:
STEL: short-term exposure limit.
TWA: time weighted average.
vPvB: very persistent, very bioaccumulative chemical.

16.6 Key Literature References:
Suppliers; Safety Data Sheets. In-house data files. HSE Guidance Note EH40. Supplier’s safety data sheets. PPE Regulations. COSH Regulations.
European Protection Act. European Cement Association - CEMBUREAU

16.7 Revision:
Version Number: 1
Date Prepared: 30/05/2013
Supersedes; N/a


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MSDS JUNE2015/3480/3482 /FILLER